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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/817,212	04/02/2004	Steven R. Kleiman	112056-0126D1	2407
24267 7550 0606/2008 CESARI AND MCKENNA, LLP 88 BLACK FALCON AVENUE			EXAMINER	
			NGUYEN, THAN VINH	
BOSTON, MA 02210			ART UNIT	PAPER NUMBER
			2187	
			MAIL DATE	DELIVERY MODE
			06/06/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/817,212 KLEIMAN ET AL. Office Action Summary Examiner Art Unit Than Nguyen 2187 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 26 March 2008. 2a) ☐ This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-16.39-41 and 45-51 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 1-16.39.40 and 45-51 is/are allowed. 6) Claim(s) 41 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on 02 April 2004 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)

Notice of Draftsperson's Patent Drawing Review (PTO-948)

Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _______.

Paper No(s)/Mail Date.

6) Other:

5) Notice of Informal Patent Application

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DETAILED ACTION

 A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e)

has been timely paid, the finality of the previous Office action has been withdrawn pursuant to

37 CFR 1.114. Applicant's submission filed on 3/26/08 has been entered.

This is a response to the amendment, filed 3/26/08.

Claims 1-16,39-41,45-51 are pending.

Response to Amendment/Arguments

- In response to the amendment to the claims, the previous rejection to claims 1-16,39,40,47-49,51, under 35 USC 112, second paragraph, is withdrawn.
- 5. Applicant's arguments, see pages 13-15, filed 3/26/08, with respect to claims 1-16,39,40,51 have been fully considered and are persuasive. The rejection of these claims has been withdrawn. After further consideration, the Examiner concludes that the prior art of record does not further teach the combination of selecting a parity subtraction method or a recalculation method for parity calculation based on the method that results in a fewest number of read operations to compute parity.
- Applicant has neither amended nor address the previous rejection to claim 41. The current claim 41 is still rejected for the same reasons indicated previously.

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7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

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basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

 Claim 41 is rejected under 35 U.S.C. 102(e) as being anticipated by Corbett (US 6.993,701).

As to claim 41:

9. Corbett teaches a method for managing storage of data in storage blocks, the method comprising the steps of: generating block layout information (forming stripes; 8/35-52); dynamically determining a first number of error correction calculations (calculate parity; 9/20-25; 6/30-35; 12/53-60); dynamically determining a second number corresponding to a chain length and in response to the block layout information, controlling the execution of an I/O operation by identifying storage blocks for use by the I/O operation so as to have a chain length of the second number within a storage device while performing the first number of calculations of error correction parameters across a stripe (forming/gathering blocks to be written in stripe to minimize parity calculation; 5/50-67).

. Allowable Subject Matter

- 10. Claims 1-16,39,40,45-51 are allowed.
- 11. Claims 45-50 are allowed for reasons indicated in the previous office action.
- 12. Claims 1-16,39,40,51 are allowed for reasons indicated above.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Than Nguyen whose telephone number is 571-272-4198. The examiner can normally be reached on 8am-3pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Donald Sparks can be reached on (571) 272-4201. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Than Nguyen/ Primary Examiner, Art Unit 2187 Than Nguyen Primary Examiner Art Unit 2187